and

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A print head die forming method comprising:
forming a plurality of fluid-handling passageways and ejection chambers over a first
surface of a substrate;

subsequent to said forming a plurality of fluid-handling passageways and ejection chambers, forming a first patterned masking layer sufficient to expose a desired area of a second generally opposing surface of the substrate;

after forming the first patterned masking layer, forming a second patterned masking layer sufficient to expose less than the entirety of the desired area of the first second surface; forming a slot portion in the substrate through the second patterned masking layer;

removing additional substrate material to form a fluid-handling slot sufficient to supply fluid from the second surface through the substrate to the first surface and the fluid handling passageways.

- 2. (Original) The method of claim 1, wherein said act of forming a first patterned masking layer comprises forming a hard mask.
- 3. (Original) The method of claim 1, wherein said act of forming a second patterned masking layer comprises forming a photo-resist layer.
- 4. (Original) The method of claim 1, wherein said act of forming a slot portion comprises etching the slot portion.
- 5. (Original) The method of claim 1, wherein said act of removing forms a fluid-handling slot having a through region positioned between two shallow regions.
- 6. (Original) The method of claim 1, wherein said act of removing comprises wet exching the additional substrate material.

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- 7. (Original) The method of claim 1 further comprising, after said act of forming a slot portion and before removing the additional substrate material, removing a portion of the second patterned masking layer.
- 8. (Withdrawn) A print cartridge incorporating a print head die formed in accordance with the method of claim 1.
- 9. (Currently Amended) A fluid-feed slot forming method comprising: forming a plurality of fluid-handling passageways and ejection chambers over a first substrate surface;

subsequent to said forming a plurality of fluid-handling passageways and ejection chambers over a first substrate surface, patterning a hard mask on a generally opposing second substrate sufficient to expose a first area of the first second surface;

forming a slot portion in the substrate through less than an entirety of the first area of the first second surface, the slot portion having a cross-sectional area at the first second surface that is less than a cross-sectional area of the first area; and

after forming the slot portion, etching the substrate to remove material from within the first area to form a fluid-handling slot between the first and second surfaces sufficient to supply fluid to the fluid handling passageways.

- 10. (Original) The method of claim 9, wherein said act of forming a slot portion forms aslot portion having a cross-sectional area that comprises a subset of the first area.
- 11. (Previously Presented) The method of claim 9, wherein said act of patterning a hard mask comprises covering the entire second substrate surface with the hard mask and subsequently removing hard mask material from the first area of the surface.
- 12. (Withdrawn) A print cartridge incorporating a substrate formed in accordance with the method of claim 9.

13. (Currently Amended) A print head substrate forming method comprising: forming a plurality of fluid-handling passageways and ejection chambers over a first substrate surface;

subsequent to said forming a plurality of fluid-handling passageways and ejection chambers, exposing a first portion of a second generally opposing substrate surface through a hard mask;

forming a photoresist over the hard mask and the first portion;

removing at least some of the photoresist to expose a second portion of the substrate surface through which a slot portion is to be formed;

dry etching the substrate through the photoresist sufficient to form the slot portion,

and,

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after said dry etching, wet etching the substrate to form a fluid-handling slot through the substrate to supply fluid received at the second surface through the substrate and to the fluid-handling passageways and ejection chambers via the slot portion.

- 14. (Original) The method of claim 13, wherein said act of exposing comprises applying a hard mask over the entire substrate surface and removing hard mask material from over the first portion.
- 15. (Original) The method of claim 13, wherein said act of removing exposes a second portion that comprises a subset of the first portion.
- 16. (Original) The method of claim 13, wherein said act of removing exposes a second portion having an area that is less than an area of the first portion.
- 17. (Original) The method of claim 13, wherein said act of exposing comprises ferming a hard mask over less than an entirety of the first surface.
- 18. (Original) The method of claim 13, wherein said act of wet etching comprises anisotropically etching the slot.
- 19. (Original) The method of claim 13, wherein said act of dry etching comprises a ternaing acts of etching and passivating.

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measured through the slot.

- 20. (Withdrawn) A print cartridge incorporating a print head die formed in accordance with the method of claim 13.
- 21. (Previously Presented) A print head forming method comprising:
 forming a fluid-handling slot extending between a thin-film surface of a substrate and
 a generally opposing backside surface of the substrate; the slot extending along a long axis
 that lies generally parallel to the thin-film surface, wherein the slot has a cross-section taken
 transverse the long axis that is defined, at least in part, by one sidewall, wherein at least a first
 portion of the one sidewall is generally parallel to the thin-film surface of the substrate, and
 wherein a second portion of the one sidewall is generally perpendicular to the thin-film
 surface, and wherein a third portion of the sidewall extends from the second portion to the
- 22. (Previously Presented) The method of claim 21, wherein said act of forming a fluid-handling slot in a substrate comprises:

thin-film surface of the substrate and defines an obtuse angle with the second portion as

forming a slot portion into the backside surface of the substrate; and, etching the substrate to remove substrate material proximate the slot portion to form the fluid-handling slot.

- 23. (Original) The method of claim 22, wherein said act of forming a slot portion comprises one or more of: laser machining and mechanically cutting.
- 24. (Original) The method of claim 22, wherein said act of forming a slot portion comprises multiple removal steps.
- 25. (Original) The method of claim 24, wherein at least one of the multiple removal steps comprises dry etching.
- 26. (Original) The method of claim 24, wherein at least one of the multiple removal seps comprises patterning a hard mask.

- 27. (Original) The method of claim 26, wherein said act of patterning a hard mask comprises a lift-off process.
- 28. (Original) The method of claim 22, wherein said act of etching comprises wet
- 29. (Withdrawn) A print cartridge incorporating a print head die formed in accordance with the method of claim 21.

30-32. (Canceled)